

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONS**

PATENT

Docket No. : 34593/VGG/A396

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled TANTALUM SPUTTERING TARGET AND METHOD OF MANUFACTURE, the specification of which is attached hereto unless the following is checked:

X was filed on May 21, 1999 as United States Application Number or PCT International Application Number 09/316,777 and was amended on      (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>Application Number</u>	<u>Country</u>	<u>Filing Date (day/month/year)</u>	<u>Priority Claimed</u>
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
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60/086,868	May 27, 1998
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>Application Number</u>	<u>Filing Date</u>	<u>Patented/Pending/Abandoned</u>
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**POWER OF ATTORNEY:** I hereby appoint the following attorneys and agents of the law firm CHRISTIE, PARKER & HALE, LLP to prosecute this application and any international application under the Patent Cooperation Treaty based on it and to transact all business in the U.S. Patent and Trademark Office connected with either of them in accordance with instructions from the assignee of the entire interest in this application; or from the first or sole inventor named below in the event the application is not assigned; or from      in the event the power granted herein is for an application filed on behalf of a foreign attorney or agent.

R. W. Johnston	(17,968)	John D. Carpenter	(34,133)	Lucinda G. Auciello	(42,270)
D. Bruce Prout	(20,958)	David A. Plumley	(37,208)	Norman E. Carte	(30,455)

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**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONS**

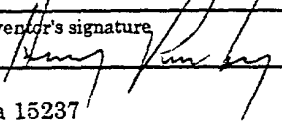
Docket No. 34593/VGG/A396

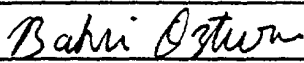
Hayden A. Carney	(22,653)	Wesley W. Monroe	(39,778)	Joel A. Kauth	(41,886)
Richard J. Ward, Jr.	(24,187)	John W. Eldredge	(37,613)	Patrick Y. Ikehara	(42,681)
Russell R. Palmer, Jr.	(22,994)	Gregory S. Lampert	(35,581)	Mark Garscia	(31,953)
LeRoy T. Rahn	(20,356)	Grant T. Langton	(39,739)	Gary J. Nelson	(44,257)
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William P. Christie	(29,371)	Craig A. Gelfound	(41,032)	Jun-Young E. Jeon	(43,693)
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Edward R. Schwartz	(31,135)	Molly A. Holman	(40,022)		

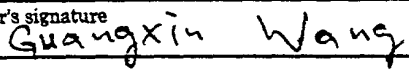
The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

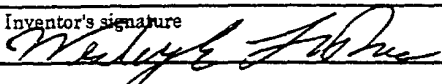
**DIRECT TELEPHONE CALLS TO :** Vincent G. Gioia, 626/795-9900  
**SEND CORRESPONDENCE TO :** CHRISTIE, PARKER & HALE, LLP  
P.O. Box 7068, Pasadena, CA 91109-7068

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor Harry Rosenberg	Inventor's signature 	Date 12 July 1999
Residence and Post Office Address 9371 Almar Place, Pittsburgh, Pennsylvania 15237		Citizenship USA

Full name of second joint inventor Bahri Ozturk	Inventor's signature 	Date 7/7/1999
Residence and Post Office Address 115 Woodbine Drive, Cranberry Township, Pennsylvania 16066		Citizenship USA

Full name of third joint inventor Guangxin Wang	Inventor's signature 	Date 7/9/1999
Residence and Post Office Address 515 Churchill Court, Cranberry Township, Pennsylvania 16066		Citizenship China

Full name of fourth joint inventor Wesley LaRue	Inventor's signature 	Date 7/9/99
Residence and Post Office Address 801 Pinchot Street, Ellwood City, Pennsylvania 16117		Citizenship USA

1                   **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2   Application Serial No. .... 09/316,777  
 3   Filing Date ..... 5/21/99  
 4   Inventor ..... Harry Rosenberg, et. al.  
    Assignees ..... The Alta Group, Inc.  
    Attorney's Docket No. .... 34593  
    Title: Tantalum Sputtering Target and Method of Manufacture

5  
 6                   **POWER OF ATTORNEY AND REVOCATION OF**  
 7                   **PRIOR POWERS OF ATTORNEY BY ASSIGNEE AND**  
                   **CERTIFICATE BY ASSIGNEE UNDER 37 CFR §3.73(b)**

8   To:   Assistant Commissioner for Patents  
         Washington, D.C. 20231

9   Sir:

10                   **THE ALTA GROUP, INC.**, the Assignee of the entire right, title and  
 11   interest in the above-identified patent application, hereby revokes all powers  
 12   of attorney previously given, and appoints the attorneys and agents of the firm  
 13   of WELLS, ST. JOHN, ROBERTS, GREGORY & MATKIN P.S., listed as  
 14   follows:

15           David P. Roberts	Reg. No. 23,032
16           Randy A. Gregory	Reg. No. 30,386
Mark S. Matkin	Reg. No. 32,268
17           James L. Price	Reg. No. 27,376
Deepak Malhotra	Reg. No. 33,560
18           Mark W. Hendricksen	Reg. No. 32,356
David G. Latwesen	Reg. No. 38,533
19           George G. Grigel	Reg. No. 31,166
Keith D. Grzelak	Reg. No. 37,144
20           James D. Shaurette	Reg. No. 39,833
Frederick M. Fliegel	Reg. No. 36,138
21           D. Brent Kenady	Reg. No. 40,045
James E. Lake	Reg. No. 44,854
22           Bernard Berman	Reg. No. 37,279

23                   **EL 844054843**

EL465853499US

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1 The Alta Group, Inc. also hereby appoints attorneys and agents Mary  
2 Ann Lemere, Reg. No. 32,160, Shannon Morris, Reg. No. 42,909, and Curt  
3 Brueske, Reg. No. 33,839 of Honeywell International, Inc., as its attorneys  
4 with full power of substitution to prosecute this application and transact all  
5 business in the Patent and Trademark Office connected therewith.

6 The Assignee certifies that the above-identified Assignment has been  
7 reviewed and to the best of Assignee's knowledge and belief, title is in the  
8 Assignee, and the Assignment was recorded in the U.S. Patent Office on  
9 August 9, 1999, at Reel/Frame 010165/0220.

10 Please direct all correspondence regarding this application to:

11 Shannon Morris  
12 Honeywell International Inc.  
13 Box 2245  
14 101 Columbia Road  
15 Morristown, NJ 07962  
16 Telephone: 408-962-2000

17 THE ALTA GROUP, INC.

18 Date: August 18, 2000

19 By: Michael D Miller  
20 Name: Michael D. Miller  
21 Title: Vice President  
22  
23